

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

**U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE**

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

Sheet 1 of 2

**Complete if Known**

Application Number	10/748,862
Filing Date	December 30, 2003
First Named Inventor	Richard N. Clark
Art Unit	
Examiner Name	
Attorney Docket Number	2578 3007 002

**U. S. PATENT DOCUMENTS**

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
AJW	1	US- 1,985,985	01-01-1935	Otto Gerline	
ATW	2	US- 2,037,709	04-21-1936	Louis H. Doyle	
AJW	3	US- 2,851,234	09-09-1958	F. W. Scheifele	
AJW	4	US- 3,162,408	12-22-1964	Michael Markman	
AJW	5	US- 3,516,190	06-23-1970	M. L. Cook	
AJW	6	US- 3,929,365	12-30-1975	Hunt et al	
ATW	7	US- 4,049,225	09-20-1977	Chasen et al	
ATW	8	US- 4,064,811	12-27-1977	Donald R. Copeland	
AJW	9	US- 4,093,171	06-06-1978	Alfred Mengo, Sr.	
ATW	10	US- 4,226,394	10-07-1980	Ruediger Einhorn	
ATW	11	US- 4,551,939	11-12-1985	Doyle W. Kitchens	
ATW	12	US- 5,040,759	08-20-1991	Andrew Wainwright	
ATW	13	US- 5,054,737	10-08-1991	Daniel DeLancey	
ATW	14	US- Des. 332,299	01-05-1993	Dryna et al	
ATW	15	US- 5,369,971	12-06-1994	Harold Sheppard	
ATW	16	US- 5,438,789	08-08-1995	John E. Emory	
ATW	17	US- 5,756,912	05-26-1998	Tusn-Chi Liao	
ATW	18	US- 5,761,844	06-09-1998	Louis A. Horschel	
ATW	19	US- 5,871,196	02-16-1999	Massimo Martelli	

## **FOREIGN PATENT DOCUMENTS**

**Examiner  
Signature**

A. ~~send hard~~

**Date Considered**

12/22/04

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kinds of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

**Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.**

Substitute for form 1449/PTO		<b>Complete If Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Application Number	10/748,862
		Filing Date	December 30, 2003
		First Named Inventor	Richard N. Clark
		Art Unit	
		Examiner Name	
Sheet	2	of	2
		Attorney Docket Number	
		2578.3007.002	

U. S. PATENT DOCUMENTS

## **FOREIGN PATENT DOCUMENTS**

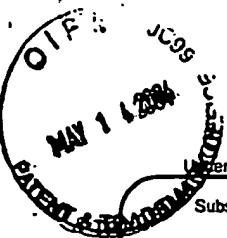
Examiner Signature	A. <i>Brandi Winkler</i>	Date Considered	12/22/04
-----------------------	--------------------------	--------------------	----------

<sup>1</sup>EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>2</sup>Applicant's unique citation designation number (optional). <sup>3</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>4</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>7</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449/PTO

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 1

**Complete if Known**

Application Number	10/748,862
Filing Date	December 30, 2003
First Named Inventor	Richard N. Clark
Art Unit	
Examiner Name	

Attorney Docket Number 2578.3007.002

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
AJW	1	US- 3,937,415	02-10-1976	John Prinz	
AJU	2	US- 3,193,964	07-13-1965	Tim Hurst	
AJU	3	US- 4,044,489	08-30-1977	Henze et al.	
AJW	4	US- 4,248,002	02-03-1981	John R. McNellis	
AJW	5	US- 4,901,469	02-20-1990	Mark T. Murray	
AJU	6	US- 4,948,083	08-14-1990	McNaney, Jr. et al.	
AJW	7	US- 5,191,852	03-09-1993	Herbert E. Rupp	
AJW	8	US- 5,245,780	09-21-1993	Hansen et al.	
AJW	9	US- 5,445,102	08-29-1995	Herbert E. Rupp	
AJU	10	US- 6,162,104	12-19-2000	John F. White	
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner Signature

*A. Joseph Witz*

Date Considered

12/22/04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.